


S/262/62/000/018/001/007  
1007/1207

Organic moderators...

extend up to  $100 \text{ \AA}$ . Experimental methods are described for the radiochemical investigations of organic compounds, and static and dynamic methods are outlined. for the experimental study of the behavior of such substances in a radiation field. In the static method, a sample of the compound, enclosed in an ampoule, is subjected to radiation. In the dynamic (or "loop") method, the investigation is conducted in a special unit composed of a pump, evaporators, cooling system, radiation zone, pipe lines and measuring instruments. The compound to be investigated is subjected to radiolysis while passing through the radiation zone, and the resulting products are investigated in a closed cycle or by sample analyses. It is suggested to carry out dynamic investigations directly in the nuclear reactor. The analysis of the decomposition products is by various methods, in particular, by polarographic and fluorescent techniques. A detailed description is given of the paramagnetic-resonance methods used in the investigations. Despite a corrosion resistance of most materials immersed in organic coolants, certain metals such as zirconium or magnesium are liable to corrode as a result of the hydride formation. The study of corrosion process in organic



Card 2/3

SZABO, Iren, dr.; PATKO, Mihaly

Role of psychological factors in managing work brigades. Magy vasut  
7 no.6:2 18 Mr '63.

SZABO, Iren, dr.; PATKO, Mihaly

~~Role of psychological factors in the management of socialist~~  
brigades. II. Magy vasut 7 no.8:2 18 Ap '63.

SZABO, Iren, dr.; PATKO, Mihaly

Theoretical problems of technological management. Vasut 13  
no.6:30 Je '63.

SZABO, Istvan, muzeologus

Harmless snake - "poisonous" picture signature. Elet tud 16 no.46:1459 12  
N '61.

SZABO, Istvan; LOVAS, Bela

Present state of taxonomic research on ray fungi. Botan kozl 49  
no.3/4:251-257 '62.

1. Magyar Tudományos Akademia Agrokemiai es Talajtani Kutato Intezet,  
Budapest,II.,Herman Otto ut 15.

S/081/63/000/002/079/088  
B117/B186

AUTHOR: Szabó, István  
TITLE: Use of "Dentaoril" and "Polikon ES", synthetic resins, in electrical insulation  
PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1963, 545-546, abstract 2T105 (Gepgyártástechnológia, v. 2, no. 7, 1962, 264 [Hung.])  
TEXT: The use of the methacrylic resin "Dentaoril" and of the polyester resin "Polikon ES" in electrical engineering is briefly described.  
[Abstracter's note: Complete translation.]

Card 1/1

SZABO, Istvan, gepeszmernok

Application of artificial resins in making foundry patterns. (To  
be contd.) Ujit lap 14 no.19:21 10 0 '62.

1. Híradastechnikai Szerszámgyár.



SZABO, Istvan  
~~Szabo, Istvan~~

107-58-5-8/32

AUTHOR: Szabo, Istvan, Chairman of the Central Committee of Defense and Sports Organization of the Hungarian People's Republic

TITLE: The Net of Radio Clubs Is Growing (Shirts: a set' radio-klubov)

PERIODICAL: Radio, 1958, Nr 5, p 12 (USSR)

ABSTRACT: The short article deals with the continuous expansion of radio amateur clubs in Hungary. The clubs are also designing various electronic devices for industry, mines, etc.

AVAILABLE: Library of Congress

Card 1/1

SZABO, Istvan, altavornagy; DIENES, Bela; SMOLIK, Frantisek; HIDVEGI, Tibor  
(Ha 8 WS)

"Radiotechnika" is 10 years old. Radiotechnika 11 no. 11 322-323 N '61.

1. Koho-es Gepipari Miniszterium Hiradastechnikai Igazgatóság formernoke (for Dienes).
2. Magyar Honcedelmi Sportszovetseg Orszagos Elnokseg elnöke (for Szabo).
3. Amaterske Radio "foszerlesztpke, Praha, Czechoslovakia (for Smolik).
4. Magyar Honcedelmi Sportszovetseg Kozponti Radioklub vezetöjees "Radiotechnika" szerkeszto bizottsagi tagja (for Hidvegi.)

SZABO, Istvan, dr.; GERTHEISZ, Antal; KOLOSSVARY, Szabolcsne;  
RIEDL, Gyula

Hungary's forestry librarianship. Erdo 11 no.9:415-419  
S '62.

1. Konyvtaros, Erdomernoki Foiskola, Sopron (for Szabo).
2. Tudomanyos munkatars, Orszagos Mezogazdasagi Konyvtar  
(for Gertheisz).

SZABO, Istvanne, dr.; VOROS, Jozsef, dr.

Trichothecin; a new antibiotic in plant protection.  
Elet tud 15 no.17:536-538 24 Ap '60.

1. Phylaxia Allami Oltoanyagtermelo Intezet (for Szabo).
2. Novenyvedelmi Kutatointezet munkatarsa (for Voros).

SZABO, Istvanokl, gepeszmernok

Practical design of power and exergy Sankey diagrams for cycle  
of a hungarian power plant. Energia es atom 15 no.2:57-69 F  
'62.

1. Eromu Juvito es Karbantarto Vallalat

SZABO, Ivanne; ZSUFFA, Istvan

Hydrologic examination of low watercourses. Hidrologiai  
kozlony 42 no.6:503-513 D '62.

1. Vizgazdalkodasi Tudomanyos Kutato Intezet, Budapest.
2. "Hidrologiai Kozlony" szerkeszto bizottsagi tagja (for  
Zsuffa).

HATTYASY, D.; SZABO, I.; TOTH, K.

The importance of case selection in caries-saliva studies.  
Acta physiol. acad. sci. Hung. 24 no.3:345-363 '64

1. Department of Dental and Oral Diseases, University Szeged.

\*

SZEKY, A.; SZABO, I.

Data on the diagnostics and pathogenesis of sodium chloride intoxication of swine and the occurrence of eosinophile-celled meningitis and encephalitis. Acta veter Hung 12 no.3:319-341 '62.

1. Staatliches Institut fur Veterinarhygiene (Direktor:T.Kadar), Budapest.



STEINER, Gyorgy; SZABO, Istvan

Achievements and problems in the innovation-invention movement. Ujit lap 16 no. 9: 10-11 10 My '64.

1. Head, Department of Technology, Csepel Iron and Metal Works (for Szabo).

BOGNAR, Rezso; FARKAS, Istvan; F. SZABO, Ilona; D. SZABO, Gizella

Synthesis of saccharic acid derivatives and their reactions.  
Magy kem folyoir 69 no.10:450-453 0'63.

1. Kossuth Lajos Tudományegyetem Szerves-Kémiai Tanszeke, Debrecen.
2. "Magyar Kémiai Folyoirat" szerkeszto bizottsagi tagja for Bognar).

JUHASZ, Bela; SZABO, Istvan

Analysis of coal grain distribution. Veszprem vegyip egy koal  
4 no.4:333-334 '60.

1. Veszprem Vegyipari Egyetem Asvanyolaj- es Szentechnologia  
Tanszek es Pecsii Hozromu.

SZABO, Irma

How are trade union membership meetings prepared? Munka 14 no.8:  
26 Ag '64.

1. Trade Union Secretary, Ujpest Wool Weaving Mill.

L 32785-66 T JK

ACC NR: AP6028469

SOURCE CODE: HU/0018/66/000/003/0326/0328

AUTHOR: Uri, Jozsef; Szabo, Irma

ORG: Institute of Pharmacology, Medical University of Debrecen (Debreceni Orvostudományi Egyetem, Gyógyszertani Intézet)

TITLE: Quantitative biological determination of 6-aminopenicillanic acid

SOURCE: Kiserletes orvostudomány, no. 3, 1966; 326-328

TOPIC TAGS: quantitative analysis, antibiotic, penicillin, blood

ABSTRACT: In the course of production of 6-APA and the study of its biological effect, the quantitative determination of its concentration is necessary. This can be carried out rapidly and accurately with the help of agar plates into which holes were drilled; the 6-APA will be converted directly in the holes with phenyl-acetyl chloride into G-penicillin. In order to bind the HCl formed and to avoid the splitting effect of CO<sub>2</sub> on 6-APA, pyridine is used instead of the usual NaHCO<sub>3</sub>. The mass effect curve obtained in this manner is linear between 0.04-1.0 µg/ml 6-APA concentrations. By using paper strips impregnated in a similar manner, the 6-APA content can be determined in as little as a drop of blood.

Orig. art. has: 3 figures. [JPRS: 36,599]

SUB CODE: 06, 07 / SUBM DATE: 25Feb65 / OTH REF: 004

Card 1/1 *llb*

SZABO, Imre

Pneumatic feeding and auxiliary apparatuses. Pt. 1. Meres automat  
8 no.4:124-127 '60.

1. MMG

STAFF, Inre

SZABO, Imre

Pneumatic analogue summation unit. Meres automat 9 no.2:57-61  
'61.

1. Mechanikai Meromuszerek Gyara



SZABO, Imre

Technical questions of regulating gas-fired ovens.I. Meres automat  
9 no.6:186-190 '61.

1. Mechanikai Meromuszerek Gyara.

SZABO, Imro

Technical questions of regulating gas-fired ovens.II. Meres automat  
9 no.7:217-219 '61.

1. Mechanikai Meromuszerek Gyara.

SZABO, Imre

Automation questions of long pipelines. Mares automat 10  
no.9:292-294 '62.

1. Mechanikai Meromuszerek Gyara rendszertechnikai osztalyanak  
vezetoje.

SZABO, Imre

Pressure control problems of liquid transportation in pipelines.  
Pt. 1. Meres automat ll no.8/9:281-287 '63.

1. Mechanikai Meromuszerek Gyara Rendszertechnikai osztaly  
vezetoje.

*Hungary*  
PAPP, Sandor, Dr, SZABO, Imre, Dr; Medical University of Budapest, IV.  
Surgical Clinic (director: KUDASZ, Jozsef, Dr, professor) (Budapesti Orvos-  
tudományi Egyetem, IV. sz. Sebészeti Klinika).

"Sympathectomy in the Treatment of Hyperhidrosis."

Budapest, Magyar Sebészet, Vol XIX, No 2, Apr 66, pages 107-110.

Abstract: [Authors' Hungarian summary] Hyperhidrosis is one of the symptoms  
of pathologically increased activity of the sympathetic nervous system;  
some severe forms of it represent a surgical indication. In 3 cases,  
thoracic sympathectomy was performed by the authors because of hyperhidrosis  
of the upper extremities. The results were good. 2 Hungarian, 10 Western  
references.

1/1

- 55 -

HUNGARY

SZABO, Imre, KARPATI, Gyorgy, Dr, GOMBOSI, Janos, Dr, NEMETH, Gyorgy, Dr;  
XIV. District Council Executive Committee, Uzsoki Street Hospital (director-  
physician-in-charge: VANDOR, Ferenc, Dr), Central Patient Services (chief  
physician-in-charge: KARPATI, Gyorgy, Dr) (XIV Kerületi Tanács VB -- Vegre-  
hajto Bizottság --, Uzsoki Utcai Kórház, Onko-Radiológiai Intézet, Kozponti  
Gondozó), Budapest.

"The Use of Radiogold Wire (Au198) in Tumor Therapy (I. Experimental Sec-  
tion, Radiation Physics and Dosimetry)."

Budapest, Magyar Radiologia, Vol XVIII, No 2, Apr 66, pages 112-117.

Abstract: [Authors' English summary modified] The experimental problems  
and the problems of X-ray physics and dosimetry which arise in connection  
with the use of radiogold-wire are discussed. The clinical experiences  
are to be discussed in the second part of this paper. No references.

1/1

SZABO, Imre (Szeged, Kossuth sgt.35., Hungary); NEMETH, Gabor (Szeged,  
Kossuth sgt. 35., Hungary)

Effect of penicillin on Tetrahymena pyriformis, strain GL.II.  
Changes in DNA/RNA ratio. Acta biol Hung 12 no.3:187-190 '61.

1. Institute of Biology, Medical University, Szeged (Head: L.Csik).

SZABO, I.; TOTH, K.

The effect of constant living conditions on the salivary hydrogen ion concentration in children. Acta physiol. hung. 18 no.4: 309-322 '61.

1. Department of Stomatology, Medical University, Szeged.

(PARENT-CHILD RELATIONS) (CHILD PSYCHOLOGY)  
(SALIVA chem)

KOPA, J.; SZABO, I.<sup>ml</sup>; GRASTYAN, E.

A dual behavioural effect from stimulating the same thalamic point with identical stimulus parameters in different conditional reflex situations. Acta physiol. acad. sci. hung. 21 no.3:207-214 '62.

1. Institute of Physiology, Medical University, Pecs.  
(AVOIDANCE LEARNING) (THALAMUS) (REFLEX, CONDITIONED)



GRASTYAN, E.; CZOFF, J.; ANGYAN, L.; SZABO, I.

The significance of subcortical motivational mechanisms in the organization of conditional connections. An attempt at the physiological interpretation of the basic mechanism of motivation. Acta physiol. acad. sci. Hung. 26 no.1:9-46 '65

1. Institute of Physiology, University Medical School, Pecs.

SZABO, I.; KELLENYI, L.; KARMOS, G.

A simple device for recording the movements of unrestrained animals. Acta physiol. acad. sci. Hung. 26 no.4:343-349 '65

1. Institute of Physiology, University Medical School, Pecs.

L 15521-66

ACC NR: AT6007365

SOURCE CODE: HU/2505/65/026/00X/0003/0003

AUTHOR: Szabo, I.; Hazafi, Klara

ORG: Institute of Physiology, Medical University of Pecs (Pecsi Orvostudományi Egyetem, Elettani Intézet) 27  
8+1

TITLE: Role of brain stem structures in the acoustic startle reaction [This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to 4 July 1964]

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement, 1965, 3

TOPIC TAGS: brain, rat, acoustic biologic effect, neurophysiology

ABSTRACT: The effect of lesions of different brain stem structures on the elicitation of the acoustic startle reaction has been investigated in 78 rats. The following has been found. 1) The acoustic startle reaction remains elicitable following bilateral lesion of the lateral and medial thalamus, the mesencephalic and pontine reticular formation, the lateral mesencephalon and following midcollicular decerebration. 2) The reaction can not be elicited when the lesion has destroyed the ventromedial reticular formation at the level of the medullopontine transition. It is stated that the elements of the latter region are involved in the primary

Card 1/2

L 1552i-66

ACC NR: AT6007365

organization of the acoustic startle reaction and, at variance with the widely emphasized view, its primary role in the organization of the reticular activity system or the nucleus ruber is denied. [JPRS]

SUB CODE: 06 / SUBM DATE: none

PC

. Card 2/2

HUNGARY

KARPATI, Gyorgy, Dr; SZABO, Imre; GOMBOSI, Janos, Dr; and NEMETH, Gyorgy, Dr; Uzsok Street Hospital of the XIV District Council, Budapest (hospital director: Dr Ferenc VANDOR)

"Use of Au-198 Wire in Tumor Therapy. Part 2. Clinical Experience."

Budapest, Magyar Radiologia, Vol 18, No 3, Jun 66, pp 161-165

Abstract [authors' Russian, English and German summaries, modified]: The results of using Au-198 wire on 67 tumor patients are summarized. The importance of the method is emphasized. Au-198 wire is also produced in Hungary and is less expensive than radium needles. No references.

7-74-66

ACC NR: AT6033345

SOURCE CODE: HU/2505/65/026/01-/0009/0046

AUTHOR: Grastyán, E.; Czopf, J.; Angyán, L.; Szabo, I. 21

ORG: Institute of Physiology, Medical University of Pécs (Pécsi Orvostudományi Egyetem, Elettani Intézet) B+

TITLE: Significance of subcortical motivational mechanisms in the organization of conditional connections. Attempt at the physiological interpretation of the basic mechanism of motivation [Paper presented at the symposium of the Hungarian Physiological Society held in Budapest from 2-3 July 1963]

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, no. 1-2, 1965, 9-46

TOPIC TAGS: conditioned reflex, cat, brain, neurophysiology, electrophysiology

ABSTRACT: The basic neural mechanisms of motivation have been investigated in cats by electric stimulation of diencephalic and mesencephalic structures in a dual conditional reflex environment. Two elementary and antagonistic mechanisms were demonstrated behind the apparently homogeneous motivational effects elicited by the stimulations, termed pull and push effects, and they were shown to be interconnected inseparably. The possible neural organization responsible for the complex interrelationships of the two motivational sub-systems were discussed on the basis of analysis of several experimental facts. It is pointed out that both the pull and push effects can organize conditional connections corresponding to their nature, with external stimuli active at the moment of their existence. An attempt has been made at a physiological interpretation of Hull's drive reduction hypothesis. The importance of the arrest reaction in the formation of instrumental conditioned reactions is pointed out. Orig. art. has: 11 figures. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 007 / SOV REF: 001

OTH REF: 025

Card 1/1

0920 1366

HATTYASY, D.; SZABO, I.; TOTH, K.

The importance of case selection in caries-saliva studies.  
Acta physiol. acad. sci. Hung. 24 no.3:345-363 '64

1. Department of Dental and Oral Diseases, University, Szeged.

SZABO, Ilona, K.; BAGDY, D.; CSEH, G.

Studies on the correlation between lipoprotein lipase activity and clotting of blood plasma. Acta physiol. acad. sci. Hung. 28 no.4:309-317 ' 65.

1. Department of Biochemistry, Research Institute for Pharmaceutical Chemistry, Budapest. Submitted March 4, 1965.



324150.1  
SOLTESZ, Janos; BOROCZ, Lajos; SZABO, Imr

Sympathoplegic therapy of Buerger's disease. Magy. belorv. arch. 10  
no.5-6:138-141 Oct-Dec 57.

1. A Budapesti Orvostudományi Egyetem IV sz. Sebészeti Klinikájának  
(igazgató: Kudasz József) közleménye.

(THROMBOANGIITIS OBLITERANS, ther.

sympathetic block & chlorpromazine (Hun))

(ANESTHESIA, REGIONAL, in various dis.

sympathetic block in thromboangiitis obliterans with  
chlorpromazine (Hun))

(CHLORPROMAZINE, ther. use

thromboangiitis obliterans, with sympathetic block (Hun))

SOLTESZ, Lajos, Dr.; SZABO, Imre, Dr.; BOROCZ, Lajos, Dr.

Data on the surgical treatment of arteritis epiaortica (aortic arch syndrome) Orv. hetil. 99 no.1:26-28 5 Jan 58.

1. A Budapesti Orvostudományi Egyetem IV. sz. Sebészeti Klinikájának (igazgató: Kudasz József dr. egyet. tanár) közleménye.  
(AORTA, dis.  
aortic arch synd., surg. (Hun))

ROTH, Miklos, Dr.; SZABO, Imre, Dr.; PINTER, Endre, Dr.; BELAFALVY, Iaszlo, Dr.

Data on the surgical therapy of cardiospasm. Orv. hetil. 100 no.14:  
499-503 5 Apr 59.

1. A Budapesti Orvostudományi Egyetem IV. sz. Sebészeti Klinikájának  
(igazgató: Kudasz József dr. egy. tanár) közleménye.  
(CARDIOSPASM, surg.  
(Hun))

VAS, Gyorgy, dr.; LASZLO, Lajos, dr.; SZABO, Imre, dr.

Effect of lumbar sympathectomy on post-thrombotic syndrome. Orv.  
hetil. 102 no.10:445-447 5 Mr '61.

1. Budapesti Orvostudományi Egyetem, IV. Sebészeti Klinika.  
(THROMBOSIS exper)  
(SYMPATHECTOMY exper)

SZABO, Imre, dr.; MOLNAR, Lajos, dr.

On Leriche's syndrome. Orv.hetil. 102 no.32:1494-1497 6 Ag '61.

1. Budapesti Orvostudományi Egyetem, IV.Sebészeti Klinika.

(AORTA dis) (THROMBOSIS)

VAS, Gyorgy, dr.; PAPP, Sandor, dr.; HESZNYAK, Istvan, dr.; SZABO, Imre, dr.  
FRANK, Jozsef, dr.

Isolation perfusion of limbs with hyperoxygenated blood in  
chronic peripheral arterial diseases. Preliminary report.  
Orv. hetil. 105 no.12:556 22 Mr'64

1. Budapesti Orvostudományi Egyetem, IV Sebészeti Klinika,  
Szív- és Erősebeszet (igazgato: Kudas, Jozsef, dr.)

\*

SZABO, I.; SZEKY, A.

The incidence of regional ileitis in pigs and in a rabbit. Acta  
veter Hung 14 no. 2:219-226 '64.

1. Central Veterinary Institute (Director:T.Kadar), Budapest.

ACC NR: AP6020273

SOURCE CODE: HU/0028/65/012/003/0229/0232

AUTHOR: Hattyasy, Dezso (Director; Szeged); Szabo, Imre (Szeged); Barankay, Tamas (Szeged); Zalay, Laszlo (Budapest) <sup>19</sup> <sub>3</sub>

ORG: First Department of Stomatology/directed by D. Hattyasy/, Medical University of Szeged, Szeged (I Stomatologiai tanzek, Szegedi orvostudomanyi egyetem); Second Department of Stomatology/directed by K. Toth/, Medical University of Szeged, Szeged (II Stomatologiai tanzek, Szegedi orvostudomanyi egyetem); [Zalay] "Human" Institute of Serum and Vaccine Production and Research/directed by Veres, G./, Budapest (Human oltoanyagtermelo es kutato intezet)

TITLE: Bacteriostatic effect of the saliva of children with and without caries

SOURCE: Academia scientiarum hungaricae. Acta microbiologica, v. 12, no. 3, 1965, 229-232

TOPIC TAGS: man, bacteriology, dentistry, biologic secretion, bacteria

ABSTRACT: The bacterial flora and bacteriostatic effect of caries-resistant (CR) and caries-active (CA) saliva has been studied. The normal flora of the mouth consists mainly of aerobic streptococci in CA and of anaerobic streptococci in CR patients. A growth-inhibiting action is exerted by saliva, mainly on lactobacilli. CR saliva is definitely more highly bacteriostatic than CA saliva. Both kinds of samples inhibited the growth of streptococci to a slight extent only. Orig. art. has: 2 figures. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: 12Apr65 / ORIG REF: 001 / OTH REF: 015

Card 1/1 *fv*



L 32142-66

ACC NR: AT6023527

SOURCE CODE: HU/2505/65/027/002/0135/0139

AUTHOR: Szabo, Imre--Sabo, I.

38

B+1

ORG: I. Department of Stomatology, Medical University of Szeged (Szegedi Orvostudományi Egyetem, I. Fog- és Szájbeteg Klinika).

TITLE: Spectrum of saliva 22

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 27, no. 2, 1965, 135-139

TOPIC TAGS: spectrophotometric analysis, absorption spectrum, biologic secretion

ABSTRACT: The supernatant fluids from resting, mixed saliva samples from 39 persons have been subjected to 212 spectrophotometric analyses in the ultraviolet region. The saliva showed a characteristic spectrum with the absorption maximum between 284-298 mμ in every case. The absorption was found to vary with age and day, and was dependent even on the period of the day. It is thought that the characteristic spectrum of saliva is derived from the absorption peaks of the organic substances present in it. Orig. art. has: 4 figures and 2 tables. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06, 20 / SUBM DATE: 05Jun64 / OTH REF: 011

LS

Card 1/1

0915

1488

L 10340-66

ACC NR: AP6003355

SOURCE CODE: HU/0018/65/017/002/0210/0212

AUTHOR: Szabo, Imre--Sabo, I.

ORG: Dental and Stomatological Clinic, Medical University of Szeged (Szegedi Orvostudományi Egyetem Fog- és Szájbeteg Klinikája)

19  
B

TITLE: Effect of carbonic acid anhydrase on the in vitro pH value of the saliva

SOURCE: Kiserletes Orvostudomány, v. 17, no. 2, 1965, 210-212

TOPIC TAGS: biochemistry, experiment animal, enzyme

ABSTRACT: In 5 children, a total of 38 pH measurements and 19 enzyme determinations were carried out. It was concluded that a correlation can be demonstrated between the carbonic acid anhydrase activity and the degree of alkalinity in the saliva. The degree of enzyme activity was in direct proportion to the in vitro increase in the pH of saliva. Orig. art. has: 2 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 29May64 / OTH REF: 005.

Card

101

I. 32146-66

ACC NR: AT6023528

SOURCE CODE: HU/2505/65/027/002/0141/0144

AUTHOR: Szabo, Imre--Sabo, I.; Hattyasy, Dezso--Khatt'yashi, D.

17  
3+1

ORG: I. Department of Stomatology, Medical University of Szeged (Szegedi Orvostudományi Egyetem, I. Fog- és Szájbetegklinika); II. Department of Stomatology, Medical University of Szeged (Szegedi Orvostudományi Egyetem, II. Fog- és Szájbeteg Klinika)

TITLE: Buffer capacity and pH of saliva<sup>22</sup> in open and closed systems

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 27, no. 2, 1965, 141-144

TOPIC TAGS: biologic secretion, heat biologic effect

ABSTRACT: In samples from five children, a total of 616 pH and buffer capacity determinations have been made in vitro, in open and closed systems. In both systems, the pH of the saliva was found to change with time and to react sensitively to changes in temperature. Orig. art. has: 3 figures. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: 05Jun64 / OTH REF: 007

Card 1/1

0915

1429

L 32143-66

ACC NR: AT6023531

SOURCE CODE: HU/2505/65/027/002/0155/0165

AUTHOR: Szabo, Imre--Sabo, I.; Hazafi, Klara--Khazafi, K.

ORG: Institute of Physiology, Medical University of Pecs (Pecsi Orvostudományi Egyetem, Elottani Intezet)

TITLE: Elicitability of the acoustic startle reaction following brain stem lesions

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 27, no. 2, 1965, 155-165

TOPIC TAGS: rat, neurologic surgery, reflex activity, neurology, acoustic biologic effect

ABSTRACT: The effect of lesions of several brain stem structures on the elicibility of acoustic startle reactions has been studied in the rat. Startle reactions could be elicited after lesions involving either lateral or medial thalamic structures as well as the midbrain and/or pontine reticular formation. The startle reactions remained unaffected after bilateral lesions interrupting the specific pathways of the lateral mesencephalon as well as after decerebration at the midcollicular level. No acoustic startle reactions could be obtained following lesions of the ventromedial reticular formation in the median line, or unilaterally at the level of the trapezoid body. It is supposed that there is a structure (with crossing elements) in this region

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1492

L 32143-66

ACC NR: AT6023531

which is responsible for the primary organization of the acoustic startle reaction and, furthermore, that the ponto-mesencephalic reticular activity system and red nuclei might play a role in modification of the acoustic startle reaction only. Orig. art. has: 8 figures. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06, 05 / SUBM DATE: 23May64 / ORIG REF: 003 / OTH REF: 022

Card 2/2

BLG

L 32142-66

ACC NR: AT6023532

SOURCE CODE: HU/2505/65/027/002/0167/0178

AUTHOR: Szabo, Imre--Sabo, I.

ORG: Institute of Physiology, Medical University of Pecs (Pecsi Orvostudományi Egyetem, Elektani Intezet)

TITLE: Analysis of the muscular action potentials which accompany the acoustic startle reaction

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 27, no. 2, 1965, 167-178

TOPIC TAGS: acoustic biologic effect, muscle physiology, neuron, neurology, cat

ABSTRACT: The action potentials studied were recorded from various muscles of the cat and from the gastrocnemius muscle of the rat. The muscular action potentials are composed of an early two-peaked component and a late one consisting of irregular oscillations with amplitudes varying over a wide range. When the animal is restless, only the first peak of the early component appears; in somnolent animals only the second one is present. The peak times of the early components are 11 and 14 msec in the gastrocnemius of the cat, and 8 and 10.5 msec in that of the rat. The latency for the late oscillations is between 15-30 msec in both species. Every component of the action potential can be recorded unchanged following posterior root section. The early two-peaked response resembles the wave activity of the anterior root response.

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HUNGARY

SZABO, Imre; Institute of Physiology (Elettani Intezet), College of Medicine (Orvostudományi Egyetem), Pécs.

"Change in the Amplitude of the Acoustic Startle Reaction in the Course of Repeated Application"

Budapest, Kiserleti Orvostudomány, Vol 18, No 6, 1966; pp 582-585.

Abstract: Rats were exposed, in a series of 9 experiments carried out on successive days at the same time of day, to acoustic stimuli, and the amplitude of the startle reaction was measured. In the course of habituation to the stimuli, the amplitude first increased temporarily and then decreased. This observation shows that the mechanism of the neural phenomena occurring during the earliest phase of the development of conditioned reflexes may be studied in a systematic manner. 11 References, mainly Western. Manuscript received 27 Nov 65.

1/1

SZABO, Istvan

The use of modern technology in manufacturing pressure tools. Musz  
elet 15 no.9:6 Ap '60. (EEAI 9:8)  
(Hungary--Machine tools)



SZABO, Istvan

Application of Dentacril, Polikon ES and other synthetic  
resins in manufacturing fences. Gepgyartastechn 2 no.7:  
264 J1 '62.

1. Híradastechnikai Szerszámgyár.

SZABO, Istvan

Experiences obtained at the Moscow conference dealing with  
the manufacture and use of forging-pressing tools. Gepgyartastechn  
2 no.11:413-414 N '62.

1. Híradastechnikai Szerszámgyár.

SZABO, Istvan, gepeszmernok

Up-to-date tool making methods. Ujit lap 14 no.13:20-21  
10 J1 '62.

1. Híradastechnikai Szerszámgyár.

SZABO, Istvan, gepeszmernok

Up-to-date methods for tool making. (To be contd.) Ujit lap 14  
no.14:22-23 25 J1 '62.

1. Híradastechnikai Szerszangyar.

SZABO, Istvan, gepeszmernok

Up-to-date methods for tool making. Ujit lap 14 no.16:20-21  
Ag '62.

1. Híradastechnikai Szerszámgyár.

SZABO, Istvan, gepeszmernok

Application of cold impress at plastic pressing instruments.  
Ujit lap 14 no.23:23 10 D '62.

1. Híradastechnikai Szerszámgyár.

SZABO, Istvan, gepeszmernok

Application of artificial resins in making foundry patterns.  
(To be contd.) Ujit lap 14 no.18:20 25 S 162.

1. Híradastechnikai Szerszámgyár.

SZABO, Istvan, gepeszmernok

Up-to-date toolmaking methods. Ujit lap 14 no.17:21 10 S '62.

1. Híradastechnikai Szerszámgyár.



SZABO, Istvan, gepeszmernok

Application of cold impression at tools for pressing plastic materials. (Conclusion). Ujit lap 15 no.1:20 10 Ja '63.

1. Híradastechnikai Szerszámgyár.

SZABO, Istvan, mernok

Application of up-to-date technology in making stamping tools. (To  
be contd.) Ujit lap 12 no.1:18-19 10 Ja '60.

SZABO, Istvan, mernok

Application of up-to-date technologies in making stamping tools.  
(To be contd.). Ujit lap 12 no.2:18-19 25 Ja '60.

SZABO, Istvan, mernok

Application of up-to-date technology in making stamping tools.  
Ujit lap 12 no.3:18 10 F '60.

SZABO, Istvan, gepeszmernok

Application of cold impress at plastic pressing tools.(To be contd.)  
Ujit lap 14 no.24:25 25 D '62.

1. Híradastechnikai Szerszámgyár.

SZABO, Istvan, gepeszmernok

Role of grinding in the up-to-date machine tool production.  
(To be contd.) Ujit lap 15 no.3:20 10 F '63.

SZABO, Istvan, gepeszmernok

The role of grinding in up-to-date toolmaking. Újit lap 15 no.5:21  
10 Mr '63.

1. Híradastechnikai Szerszámgyár.

SZABO, Istvan, gepeszmernok

The role of grinding in the up-to-date toolmaking. Ujit lap  
15 no.6:23 25 Mr '63.

1. Híradastechnikai Szerszámgyár.



SZABO, Istvan, gepeszmernok

Role of grinding in up-to-date toolmaking. Ujit lap 15 no.7:20  
10 Ap '63.

1. Híradastechnikai Szerszámgyár.

SZABO, Istvan, gepeszmernok

Role of grinding in up-to-date toolmaking. Ujit lap 15 no.8:20  
25 Ap '63.

1. Híradastechnikai Szerszámgyár.

SZABO, Istvan, gepeszmernok

Role of grinding in the up-to-date toolmaking. Ujit lap 15 no.9:  
60 10 My '63.

1. Híradastechnikai Szerszámgyár.

SZABO, Istvan, gepeszmernok

Role of grinding in the up-to-date toolmaking. Ujit lap  
15 no.10:26 25 My '63.

1. Híradastechnikai Szerszámgyár.

SZABO, I, 1949

"Occurrence of a Rare Type of Salmonella."

Nepegeszs., Budapest, 1949 30/5(226-227)  
Abst: Exc. Med. IV, Vol. 11, No. 12, p. 1220

SZABO, I. 1949

(Pecs Tud Kozegeszsegtani Inteze tenek Koslemenye)

"Data On the Frequency of Intestinal Worm Infestation in the Western Part of Hungary."

Nepegeszsz., Budapest 1949, 30/6(166-168)

Abst: Exc. Med. IV, Vol. 11, No. 7, p. 802

SZABO, I. 1949

(Pecs Tud. Kozegeszsegtani Intezetének Kozlomenye)

"Contribution to the Viability of the Micro-Organism of Endocarditis."

Orvosi Hetilap, Budapest, 1949 90/13(407-409)  
Abst: Exc. Med. IV, Vol. 11, No. 12, p. 1198

I. SZABO, I. BANGA

"Staining of nucleic acids by Unna-Pappenheim method in model experiment." p. 257  
(ACTA PHYSIOLOGICA ACADEMIAE SCIENTIARUM HUNGARICAE, Vol. 3, no. 2, 1952,  
Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2 No. 7, July 1953, Uncl.



VALYI-NAGY, T.; KELENTHI, B.; SZABO, I.; TAKACS, I.; HALMAY, Z.; SZILAGYI, I.

Pharmacology of mono- and dinitrile derivatives. Acta physiol.  
hung. Suppl. no.6:117-118 1954.

1. Pharmakologisches Institut der Medizinischen Universität,  
Debrecen.

(CYANIDES

mono- & dinitrile deriv., pharmacol.)

KISS, Jozsef, dr.; SZABO, Istvan, dr.

The significance of studies on bacterial resistance to antibiotics  
in biliary surgery. Orv. hetil. 95 no.48:1322-1325 28 Nov 54.

1. A Szabolcs-utcai Allami Korhaz (igazgato: Doleschall Frigyes dr.)  
Sebeszeti Osztalya (osztalyavezeto: Molnar Bela dr.) es az Orszagos  
Tbc. Intezet (vezeto: Sebok Lorant dr.)<sup>U</sup> diagnosztikai Laboratorium  
(vezeto: Szabo Istvan dr.) kozlemenye.

(CHOLANGITIS, bacteriol.

antibiotic resist. determ., pre- per- & postop.)

(CHOLECYSTITIS, bacteriol.

antibiotic resist. determ., prep- per- & postop.)

(BILIARY TRACT, surg.

pre- per- & postop. bacteriol. & antibiotic resist.)

COUNTRY	: Rumania	T
CATEGORY	: Human and Animal Physiology, Blood	
ABS. JOUR.	: RzhBicl., No. 5 1959, No. 21965	
AUTHOR	: Szabo, I.; Hadnagy, Cs.; Incze, S.	
INST.	: <del>Magyar Orvosi Akademia</del>	
TITLE	: Experiments Demonstrating the Role of Histamine in Hemolytic Shock.	
ORIG. PUB.	: Rev. med. (RFR), 1955, 1, No. 1-2, 60--64	
ABSTRACT	: no abstract	

Card: 1/1

VALYI-NAGY, T.; KELENTI, B.; SZABO, I.; SZILAGYI, I.

Some new aspects of the pharmacology of nitrils. Acta physiol. hung.  
8 no.1:77-90 1955.

1. Institute of Pharmacology, University Medical School, Debrecen  
(Received September 18, 1954)

(CYANIDES,  
nitriles, pharmacol)  
(AUTONOMIC DRUGS,  
nitriles)

HADNAGY, Csaba, dr.; KREPSZ, Ivan, dr.; BARTEL, Gyorgy, dr.;  
SZABO, Istvan, dr.; KOZMA, Jozsef, dr.

~~Magyarorszag~~  
Study on the effect of x-rays on antibody formation. *Magy.*  
*radiol.* 8 no.1:57-59 Feb 56.

1. A Marosvasarhelyi Vertarolo es Veratomleszto Kozpont (igazgato:  
Hahnagy Csaba dr. foorvos), a Marosvasarhelyi Orvostudomanyi es  
Gyogyszerezeti Felso Oktatasu Inteze. Intezet Radiologiai Osztalya  
(igazgato: Krepsz, Ivan dr. egy. eloado-tanar) kozlemenye.

(ROENTGEN RAYS, eff.

total body on antibody form. in rabbits against sheep  
erythrocytes, inhib. (Hun))

(ANTIGENS AND ANTIBODIES

antibody form. in rabbits against sheep erythrocytes,  
inhib. by total body roentgen ray radiation.(Hun))

HADNAGY, Csaba; OBAL, Ferenc; DOCZY, Pal; SZABO, Istvan; MALNASI, Geza

Effect of substances influencing India ink storage of the reticuloendothelial system on antibody formation. Kiserletes orvostud. 8 no.4:345-350 July 56.

1. Marosvasarhelyi Vertarolo es Veratomleszto Kozpont es a Marosvasarhelyi Orvostudomanyi es Gyogyszereszeti Felsőoktatási Intézet Elettani Laboratoriuma.

(RETICULOENDOTHELIAL SYSTEM, physiol.

colloidopexy, eff. of various substances influencing colloidopexy on antibody form. in exper. animals (Hun))

(ANTIGENS AND ANTIBODIES

antibody form., eff. of various substances influencing colloidopexy in reticuloendothelial system (Hun))

SZABO, I.

The role of selection in developing sheep farming on our collective farms. p. 20.  
(Magyar Mezogazdasag, Vol. 11, no. 4, Feb. 1956 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

Country : Rumania  
 Category : Human and Animal Physiology, Thermoregulation  
 Abs. Jour. : Ref Zhur - Biologiya, No. 2, 1959, No. 7867  
 Author : Szabo, I.; Hadnagy, C.; Dezs, Z.; Incze, D.  
 Title : The Effect of Hypothermia on Experimental Hemolytic Shock.  
 Orig. Pub. : Rev. med. (RPR), 1957, 3, No. 4, 22--27  
 Abstract : Chlorpromazine in a dose of 5 mg/kg exerted no significant effect on the hemolytic shock induced in dogs by intravenous injection of heterogenous blood. The rectal temperature of the animals treated with chlorpromazine was reduced to 25--27° by immersing them in cold water at 2--4°, the severity of the reaction diminished, and in the majority of cases signs of shock were not detected. In rats the eosinopenic reaction as well as the hyperventilation produced by a transfusion of heterogenous blood were not diminished by the action of chlorpro-

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HUNGARY/Diseases in Farm Animals. Diseases of Unknown Etiology.

R-3

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54975.

Author : Erdos, J., Hirt, G., Szabo, I.  
Inst : Hungarian Academy of Veterinary Sciences.  
Title : The So-Called "Gastro-Intestinal Edema" or "Vibrionic Dysentery" of Pigs in Hungary.

Jrig Pub: Acta veterin. Acad. sci. hung., 1957, 7, No 1, 67-79.

Abstract: An infection is described, which is known by the name of "edemateos disease" or "vibrionic dysentery". Vibrios play a certain role in the etiology of this disease, when predisposing conditions are present as well (such as young age, weaning period, etc.). The disease mostly takes an acute course and often ends in death (in 64-84 percent of the cases). Swelling of the eye lids, absence of appetite, an unsteady gait, and dysnea

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are among the clinical signs of the disease. Body temperature is mostly normal, even subnormal. Autopsy reveals serious infiltration of the gastro-intestinal tract, sometimes it is acutely inflamed. There exist no reliable therapeutic methods. Good results were obtained, however, with streptomycin in combination with caffeine and vitamin B<sub>1</sub>.

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CIA-RDP86-00513R001654330003-6"

Card : 2/2

HUNGARY/Human and Animal Physiology - Blood. Blood Groups. T

Abs Jour : Ref Zhur Biol., No 3, 1959, 12637

Author : Hadnagy, Csaba; Horvath, Endre; Szabo, Istvan; Metz,  
Olga; Szentkiralyi, Eva

Inst : Hungarian Academy of Sciences, Division of Biological and  
Medical Sciences

Title : A Study of Vitamin B<sub>12</sub> Application in Immunohematology

Orig Pub : Magyar tud. akad. biol. es. orv. tud. oszt. kdzl., 1957,  
3, No 1-2, 138-141

Abstract : No abstract.

Card 1/1

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HUNGARY / Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi. R

Abs Jour: Ref Zhur-Biol., No 8, 1958, 35829.

Author : Szabo, Istvan; Szent, Ivanyi Tamas.

Inst : Not given.

Title : Infectious Necrotic Enteritis in Piglets.  
2. Propagation of Enteritis and Fight Against It.

Orig Pub: Magyar alatorv. lapja, 1957, 12, No 3, 73-76.

Abstract: The etiological agent of the disease is Clostridium perfringens, type C. Especially susceptible to infection are piglets in the age group of one to two weeks old. It was demonstrated that it is impossible to eliminate the infection by applying hygienic measures. Treatment with sulfamides and antibiotics proved ineffective; however, hyperimmune sera used for piglets and vaccination of sows gave quite

Card 1/3

HUNGARY / Diseases of Farm Animals. Diseases Caused by R  
Bacteria and Fungi.

Abs Jour: Ref Zhur-Biol., No 8, 1958, 35829.

Abstract: satisfactory results. For the preparation of the vaccine strains were chosen which have a high degree of toxigenic capacity. Such strains were formalinized, and then calcium aluminum sulfactate was added in order to raise pH to the 7.4 level. Harmlessness of the vaccine was tested on mice, guinea pigs and pigs. The vaccine proved to be effective when it was administered twice subcutaneously in a dose of five milligrams (at an interval of three weeks) to sows during their second or third month of pregnancy (but not later than three weeks before farrowing). After vaccination of the sows, the piglets acquire passive immunity through the

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when it is administered to the piglets not later than 24 hours after birth. It is not suitable for the treatment of already diseased piglets or those older than 24 hours.

APPROVED FOR RELEASE: 08/31/2001  
The vaccine is already being introduced into veterinary practice.

Card 3/3

SZABO, I.; DEMETER, A.; KOVACS, P.

Effect of heterologous blood on denervated dog heart preparation. Kiserletes  
orvostud. 10 no.4:420-426 Aug 58.

1. Marosvarsarhelyi Orvostudományi Intézet Eletani Tanszéke.

(HEART, physiol.

heart-lung prep. of dogs, denervated, eff. of human  
blood (Hum))

*SZABO ISTVAN, DR.*

DANIEL, Elemer, Dr.; SZABO, Istvan, Dr.

Closed injuries of the Achilles tendon. Orv. hetil. 99 no.13:436-438  
30 Mar 58.

1. Az Országos Testnevelés- és Sportegészségügyi Intézet (igazgató:  
Hajdu Ferenc dr.) Sebészeti Osztálynak (osztályvezető-őorvos: Daniel  
Elemer dr.) közleménye.

(HEEL, wds. & inj.

closed inj. of Achilles tendon (Hun))

SZABO, Istvan, Dr.; HADNAGY, Csaba, Dr.

Pathology of hemolytic shock. Orv. hetil. 99 no.25:833-838 22 June 58.

1. A Marosvasarhelyi Orvostudományi Intézet Elettani Tanszékének (vezető Szabo Istvan dr. Egyet. Előadó tanár) és II. sz. Belgyógyászati Klinikájának (vezető: Horvath Endre dr. egyet. tanár) közleménye.

(BLOOD TRANSFUSION, compl.

hemolytic shock, pathogen. & clin. manifest. (Hun))

(SHOCK: etiol. & pathogen.

blood transfusion causing hemolytic shock, pathogen.

& clin. manifest. (Hun))

. SZABO, I.

Investigation of antigens "O" of the hemolytic stems of  
Escherichia coli isolated from swines with special regard to  
the edema in young pigs. Acta veter Hung 12 no.2:195-202  
'62.

1. Staatliches Veterinarhygienisches Institut, Budapest (Direktor:  
T.Kadar).



HUNGARY

SZERKI, A., SZABO, I.; State Institute for Veterinary Hygiene (Director: KADAR, T.) [Hungarian version not given], Budapest.

"On the Diagnosis and Pathogenesis of Sodium Chloride Poisoning of Pigs and the Occurrence of Eosinophilic Meningitis and Encephalitis."

Budapest, Acta Veterinaria Academiae Scientiarum Hungaricae, Vol 12, No 3, 1962, pp 319-341.

Abstract: [German article; Authors' German summary abridged] The correlation between eosinophilic meningitis and encephalitis and poisoning by sodium chloride makes the histological test of brain tissue a useful diagnostic aid. The strongly eosinophilic character and the localization in the gray matter of the infection differentiate it from virus encephalitis. The syndrome is assumed to be the product of disturbances in electrolyte balance, blood supply and the hypothalamus-pituitary-adrenal system. [About one fourth of about two dozen references are Eastern European.]

1/1

SZENT IVANYI, Tamas, dr., az allatorvostudomanyok kandidatusa; SZABO, Istvan, dr.; TEMESI, Zoltan, dr.; PATALICS, Laszlo, dr.

Virus diarrhea of piglets. Magyar allatorv lap 19 no.1:11-15  
Ja '64.

1. Chair of Epidemiology, University of Veterinary Medicine  
(Head of Chair: Academician Dr. Rezső Manninger), Budapest,  
and National Institute of Veterinary Hygiene (Director:  
Tibor Kadar), and Debrecen Institute of Veterinary Hygiene  
(Director: Dr. Gusztav Hajdu), Debrecen.

SZABO, Istvan, dr.; BLANK, Antal, dr.

Regional ileitis in pigs and rabbits. Magyar allatorv lap 19  
no.2:40-42 F '64.

1. National Institute of Veterinary Hygiene (Director:  
Dr. Tibor Kadar), Budapest.

SZABO, Istvan

Occurrence of *Charadrius apricarius altifrons* Brehm in Hungary.  
Allattani kozl 51 no.1/4:141-142 '64.

1. Museum of Natural History, Hungarian National Museum, Budapest.